

pure[11]-Nr.: 1105523, Marke:

Eigenschaften

Empfohlene Reinraumklassen

ISO

GMP

we care

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Material

-

Verpackung

- Box

Produktvarianten

pure[11]-Nr.: 1105523,

pure[11]-Nr.: 1105523RDL, SHIELDskin Chem Neo Nitrile 300

Farbe: Rot; Größe: L / VE: 400STK

pure[11]-Nr.: 1105523RDM, SHIELDskin Chem Neo Nitrile 300

Farbe: Rot; Größe: M / VE: 400STK

pure[11]-Nr.: 1105523RDS, SHIELDskin Chem Neo Nitrile 300

Farbe: Rot; Größe: S / VE: 400STK

pure[11]-Nr.: 1105523RDXL, SHIELDskin Chem Neo Nitrile 300

Farbe: Rot; Größe: XL / VE: 400STK

pure[11]-Nr.: 1105523RDXS, SHIELDskin Chem Neo Nitrile 300

Farbe: Rot; Größe: XS / VE: 400STK

pure[11]-Nr.: 1105523RDXXL, SHIELDskin Chem Neo Nitrile 300

Farbe: Rot; Größe: XXL / VE: 400STK

SHIELDskin CHEM™
A REVOLUTION IN GLOVE TECHNOLOGY

ROT
CHEMIKALIEN RISIKO

SHIELDskin CHEM™
NEO NITRILE™ 300



PPE Personal Protective Equipment Category III REGULATION (EU) 2016/425
MDR Medical Device Class I REGULATION (EU)2017/745
CE 0598
UKCA 0120
ISO 374-1 Type A AJKLNPT
ISO 374-5:2016 Level 3 VIRUS
EN388:2016 2000X

TECHNISCHE DATEN

WWW.SHIELDSCIENTIFIC.COM





⇒ Unsteriler Schutzhandschuh aus Neopren-/Nitril, puderfrei, beidhändig tragbar, extra lange Ausführung (300 mm / 11.8").

⇒ Persönliche Schutzausrüstung KAT III (PSA - Komplexes Design) gemäss Verordnung (EU) 2016/425.

⇒ Registriert als Klasse 1 (MPD) gemäss Medizin Produkte Verordnung (EU) 2017/745.

⇒ In völliger Übereinstimmung mit der neuesten EU PSA Norm zum Schutz gegen Chemikalien, Mikroorganismen und Viren und mechanischer Beanspruchung.

BESCHREIBUNG	
Bestandteile	Neopren und Nitril (*Polychloropren und Acrylonitril butadien*).
Design	Rot, beidhändig tragbar, Rollrand, texturierte Fingerspitzen.
Verpackung	40 Handschuhe per Box - 10 Boxen per Karton = 400 Handschuhe.

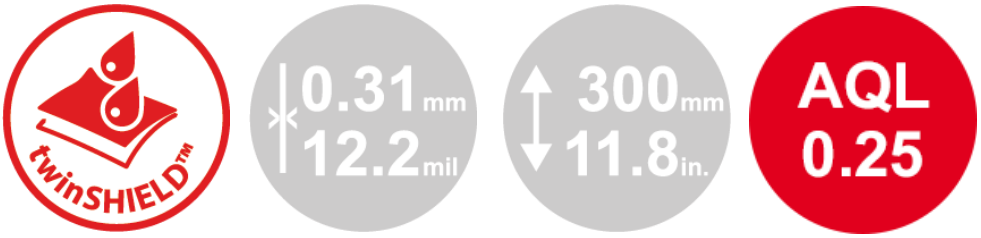
GRÖSSEN	**6/XS**	**7/S**	**8/M**	**9/L**	**10/XL**	**11/XXL**
Artikel Nr.	66 9251	66 9252	66 9253	66 9254	66 9255	66 9256

NORMEN	
CE/UKCA registrierung	PSA Kategorie III (Komplexes Design) - Verordnung (EU) 2016/425. CE Notified Body No 0598: SGS Fimko Oy, Helsinki - Finnland. UKCA Notified Body No 0120: SGS United Kingdom Ltd, Ellesmere port - United-Kingdom. MP Klasse 1 - Verordnung (EU) 2017/745.
EU PSA normen	ISO 21420:2020+A1:2022, EN 421:2010, ISO 374-1:2016+A1:2018, ISO 374-2:2019, ISO 374 -4:2019, ISO 374-5:2016, EN 16523-1:2015+A1:2018, EN 388:2016+A1:2018 und ISO 16604:2004 Verfahren B.
EU MP normen	EN 455-1:2020, EN 455-2:2015, EN 455-3:2015 und EN 455-4:2009.
US standards	ASTM D3767-03 (2020), ASTM D573-04 (2019), ASTM D412-16, ASTM D6978-05 (2019).
Weitere standards	EN 1149-1/2/3 & 5, ISO 21171:2006, ISO 10993-10:2021.

QUALITÄT	
Qualitätssicherung	Produktionsmanagement gemäss ISO 9001:2015 und ISO 13485:2016. Umweltmanagementsysteme gemäss ISO 14001:2015.
Technologie	twinSHIELD™ doppelwandiger Schutz für einen stärkeren Handschuh und reduziertem Risiko von Mikrolöchern. 2-farbig: rot, zur vereinfachten Auswahl des Handschuhes gemäss des Risikos, kombiniert mit einer sehr angenehmen, weichen Innenlage.

DOKUMENTATION	
Konformitätserklärung	Diese Dokumente können kostenlos von der Produktseite auf unserer Website heruntergeladen werden: www.shieldscientific.com. Für einen einfachen Zugriff scannen Sie den QR-Code.
EU baumuster-prüfbescheinigung	
Benutzerhinweis	

PHYSIKALISCHE EIGENSCHAFTEN



NOMINALE WANDSTÄRKE	mm[1]	mil	Norm
⇒ Finger	0.40	15.7	ASTM D3767-03 (2020)
⇒ Handfläche	0.31	12.2	
⇒ Stulpe	0.20	7.9	

[1] *Wandstärke (+/- 0.03 mm)*

LÄNGE	Minimum	Typischer Wert	Norm
⇒ Spitze Mittelfinger bis Ende Stulpe	≥ 290 mm / 11.4"	300 mm / 11.8"	ISO 21420:2020+A1:2022

REIßFESTIGKEIT	Reißfestigkeit (Spez.)		Äusserste Dehnbarkeit (Spez.)	Reißfestigkeit (typischer Wert)	Norm
⇒ Vor Alterung	≥ 6.0N	14 MPa	≥ 500%	9.0N	EN 455-2:2015 ASTM D573-04 (2019) & ASTM D412-16
⇒ Nach Alterung	≥ 6.0N	14 MPa	≥ 400%	9.0N	

FESTSTELLUNG "PINHOLES"	Leistungsnachweis	Norm
⇒ Acceptable Quality Level (AQL)	< 0.25[2] - Level 3	ISO 374-2:2019 EN 455-1:2020

[2] *AQL gemäss Definition ISO 2859-1:1999 Probenentnahme.*

SCHUTZLEISTUNG

RISIKEN	Beschreibung	Norm
Mikroorganismen	1000 ml Wasser Test. Leistungslevel 3, AQL < 0.25 (Inspektionslevel G1).	ISO 374-2:2019
Viren	Viren Penetrationstest mit Phi-X174 Bacteriophage gemäss ISO 16604:2004 Verfahren B.	ISO 374-5:2016
Chemikalien	Leistung: Typ A (AJKLNPT). Permeation: Intensiv getestet. Chemikalienbeständigkeitsliste online unter: www.shieldscientific.com. Degradation: auf Degradationsbeständigkeit mit Chemikalien getestet.	ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 ISO 374-4:2019
Radioaktivität	Schutz vor radioaktiver Kontamination.	EN 421:2010
Zytostatika substanzen	Auf Permeation getestet mit Zytostatika Substanzen durch Dauerkontakt mit der Substanz.	ASTM D6978-05 (2019)
ESD	Antistatisches Verhalten getestet.	EN 1149-1/2/3 & 5
Mechanische beanspruchung	Level 2 (Abrieb).	EN 388:2016+A1:2018

ALLERGIEN	
Bio kompatibilität	Nachgewiesen durch Primary Skin Irritation und Sensitatzions Test gemäss ISO 10993-10:2021 Test.
Vulkanisations-bescheleuniger	Frei von Thiazolen und Thiuramen. Diese Vulkanisationsbeschleuniger werden in der Herstellung nicht verwendet.
Puderrück-standswerte	Puderfrei, reduziert die Gefahr auf von Puder verursachter Dermatitis. Puderrückstände (typischer Wert) nicht mehr als 1 mg/HS (Limit = 2 mg/HS) (ISO 21171:2006).
Latex proteine	Latex frei.

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Chemical resistance guide



LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6
< 10 min	10 > 29 min	30 > 59 min	60 > 119 min	120 > 239 min	240 > 479 min	> 480 min

SHIELDskin CHEM™ NEO NITRILE™ 300

PPE Personal Protective Equipment Category III REGULATION (EU) 2016/425
MDR Medical Device Class I REGULATION (EU)2017/745
CE 0598
ISO 374-1 Type A AJKLNPT



- Length: 300 mm/ 11.8"
- Palm thickness: 0.31 mm/ 12.2 mil
- Chemical performance: Type A
- Biological risk: AQL 0.25 / Level 3
- Particles level: N/A / N/A
- Virus resistant / Chemotherapy drugs
- Allergies: Latex-free / Free of Thiazoles and Thiurams
- Design: Ambidextrous / Powder-free
- Colour: Red (outer)/ White (inner)
- ESD - Static dissipative
- Mechanical risk: 2000X
- Applications: Laboratory / General workplace / Healthcare

Mixed Solution Decahydronaphtalene 99%	LEVEL 6 480 min
7550-35-8 Lithium bromide 30%	LEVEL 6 480 min DR -1%
108-24-7 Acetic anhydride	LEVEL 1 21 min
Mixed Solution Chemosil 211	LEVEL 1 14 min
Mixed Solution Chemosil 225	LEVEL 1 11 min
7697-37-2 Nitric acid 65%	LEVEL 2 59 min
75-65-0 2-methyl-2-propanol 99.5%	LEVEL 6 480 min DR 32%

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64-19-7
Acetic acid 99%

LEVEL 3
81 min
DR 61%

78-93-3
Methyl ethyl ketone 99%

LEVEL 0
2 min

111-96-6
Diethylene glycol dimethyl ether 99%

LEVEL 1
19 min
DR 81%

Mixed Solution
LiPF6

LEVEL 6
480 min

79-11-8
Chloroacetic acid 80%

LEVEL 5
260 min

7664-39-3
Hydrofluoric acid 60%

LEVEL 2
42 min

109-86-4
Methoxyethanol

LEVEL 2
49 min

584-84-9
Toluene diisocyanate 95%

LEVEL 0
0 min

1336-21-6
Ammonium hydroxide 28-30%

LEVEL 4
153 min

64742-49-0
Petroleum benzene 80-100°C

LEVEL 6
480 min

71-36-3
Butanol 99.4%

LEVEL 5
448 min

548-62-9
Crystal violet

LEVEL 6
480 min

72-57-1
Trypan blue

LEVEL 6
480 min

314-13-6
Evans blue

LEVEL 6
480 min

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91-95-2 Diaminobenzidine	LEVEL 6 480 min
3761-53-3 Ponceau 2R	LEVEL 6 480 min
6226-79-5 Ponceau S	LEVEL 6 480 min
Mixed Solution Phenol:Chloroform Isoamyl Alcohol 25:24:1	LEVEL 0 9 min
123-38-6 Propionaldehyde 97%	LEVEL 0 2 min
4098-71-9 Isophorone diisocyanate 100%	LEVEL 6 480 min
66-81-9 Cycloheximide	LEVEL 6 480 min
7697-37-2 Nitric acid 99%	LEVEL 0 2 min
107-15-3 Ethylene diamine 99%	LEVEL 2 50 min
616-38-6 Dimethyl carbonate 99%	LEVEL 1 13 min
7601-90-3 Perchloric acid 70%	LEVEL 6 480 min
Mixed Solution Hydranal ® -Composite 2	LEVEL 6 480 min
8007-56-5 Aqua regia	LEVEL 6 480 min
Mixed Solution Euro 95 unleaded petrol	LEVEL 1 16 min

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Mixed Solution Mucocit®-T branded mixture	LEVEL 6 480 min
50-01-1 Guanidine hydrochloride	LEVEL 6 480 min
127-18-4 Tetrachloroethylene 99%	LEVEL 1 10 min
10127-02-3 Acridine orange	LEVEL 6 480 min
111-76-2 2-Butoxyethanol 99%	LEVEL 4 134 min
79-10-7 Acrylic acid 99%	LEVEL 2 47 min
7726-95-6 Bromine	LEVEL 0 7 min
37143-54-7 1-Methoxy-2-propylamine 95%	LEVEL 1 12 min
108-67-8 1,3,5-Trimethylbenzene 98%	LEVEL 1 19 min
60-24-2 2-Mercaptoethanol 99%	LEVEL 3 63 min
107-98-2 1-Methoxy-2-propanol 99%	LEVEL 3 72 min
95-63-6 1,2,4- Trimethylbenzene 98%	LEVEL 1 21 min
5332-73-0 3-Methoxypropylamine 99%	LEVEL 0 7 min
75-56-9 Propylene oxide 99%	LEVEL 0 2 min

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7803-57-8
Hydrazine monohydrate 98%
LEVEL 6
480 min

78-83-1
Isobutanol 99%
LEVEL 6
480 min

77-86-1
Tris (hydroxymethyl) aminomethane Sat. solution
LEVEL 6
480 min

598-75-4
Secondary isoamyl alcohol 98%
LEVEL 6
480 min

127-09-3
Sodium acetate Sat. solution
LEVEL 6
480 min

7664-93-9
Sulphuric Acid 50%
LEVEL 6
480 min

7664-93-9
Sulphuric Acid 95%-98%
LEVEL 2
59 min
DR 78%

108-87-2
Methylcyclohexane 99.9%
LEVEL 2
58 min

62-53-3
Aniline 99.9%
LEVEL 2
46 min

97-88-1
Butyl methacrylate 99.9%
LEVEL 1
22 min

96-47-9
2-Methyltetrahydrofuran 99.9%
LEVEL 0
4 min

67-68-5
Dimethyl sulfoxide 99% (DMSO)
LEVEL 4
179 min

75-12-7
Formamide 99%
LEVEL 4
123 min

108-95-2
Phenol 0.1% solution
LEVEL 6
480 min

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75-59-2
Tetramethylammonium hydroxide 2.5%
LEVEL 6
480 min

79-37-8
Oxalyl chloride
LEVEL 0
1 min

109-66-0
n-Pentane 98%
LEVEL 2
45 min

108-94-1
Cyclohexanone 99%
LEVEL 1
24 min

110-54-3
n-Hexane 95%
LEVEL 4
138 min

71-23-8
n-Propanol
LEVEL 5
304 min

127-19-5
Dimethyl acetamide 99%
LEVEL 1
14 min

60-29-7
Diethyl ether 99%
LEVEL 0
6 min

75-15-0
Carbon disulfide 99.9%
LEVEL 0
1 min

108-39-4
m-Cresol 98.5%
LEVEL 4
212 min

76-03-9
Trichloroacetic acid 10%
LEVEL 6
480 min

7803-57-8
Hydrazine monohydrate 80%
LEVEL 6
480 min

123-91-1
Dioxane 99%
LEVEL 1
10 min

79-43-6
Dichloroacetic acid 99%
LEVEL 3
80 min

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98-11-3
Benzenesulfonic acid 20% solution in water
LEVEL 6
480 min

1634-04-4
Methyl Tert Butyl Esther (MTBE)
LEVEL 1
14 min

7664-93-9
Sulphuric Acid 10%
LEVEL 6
480 min

76-05-1
Trifluoroacetic acid 99%
LEVEL 2
57 min

7087-68-5
Diisopropyl ethylamine 99%
LEVEL 5
322 min

108-20-3
Diisopropyl ether 99%
LEVEL 1
29 min

108-95-2
Phenol 85%
LEVEL 4
138 min

67-64-1
Acetone 99.8%
LEVEL 0
7 min

7681-52-9
Sodium Hypochlorite 13%
LEVEL 6
480 min

1310-58-3
Potassium Hydroxide 40%
LEVEL 6
480 min

67-63-0
Isopropanol 70%
LEVEL 6
480 min

7722-84-1
Hydrogen peroxide 12%
LEVEL 6
480 min

77-92-9
Citric acid 30%
LEVEL 6
480 min

1330-20-7
Xylene 98.5%
LEVEL 0
8 min

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121-44-8 Triethylamine 99%	LEVEL 2 37 min
108-88-3 Toluene 99.9%	LEVEL 0 4 min
109-99-9 Tetrahydrofuran 99.9%	LEVEL 0 1 min
100-42-5 Styrene 99.9%	LEVEL 0 5 min
1310-73-2 Sodium Hydroxide 50%	LEVEL 6 480 min
1310-73-2 Sodium Hydroxide 40%	LEVEL 6 480 min DR -11%
110-86-1 Pyridine	LEVEL 0 6 min
7664-38-2 Phosphoric acid 85%	LEVEL 6 480 min
7664-38-2 Phosphoric Acid 30%	LEVEL 6 480 min
108-95-2 Phenol 50%	LEVEL 4 163 min
7697-37-2 Nitric Acid 70%	LEVEL 4 122 min
872-50-4 N-methyl-2-pyrrolidone	LEVEL 2 43 min
80-62-6 Methyl Methacrylate 99%	LEVEL 0 8 min
75-09-2 Dichloromethane 99%	LEVEL 0 2 min

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108-10-1 Methyl Isobutyl Ketone 99%	LEVEL 0 8 min
67-56-1 Methanol 99.9%	LEVEL 2 36 min DR 60%
67-63-0 Isopropanol 100%	LEVEL 6 480 min
540-84-1 Iso-Octane 99%	LEVEL 6 480 min
7722-84-1 Hydrogen peroxide 30%	LEVEL 6 480 min DR -9%
7664-39-3 Hydrofluoric acid 48%	LEVEL 4 168 min
7647-01-0 Hydrochloric acid 37%	LEVEL 6 480 min
999-97-3 Hexamethyldisilizan 99%	LEVEL 6 480 min
142-82-5 n-Heptane 99%	LEVEL 2 37 min DR 61%
111-30-8 Glutaraldehyde 25%	LEVEL 6 480 min
64-18-6 Formic acid 98.5%	LEVEL 4 125 min
50-00-0 Formaldehyde 37%	LEVEL 6 480 min DR -5%
50-00-0 Formaldehyde 10%	LEVEL 6 480 min
141-78-6 Ethyl acetate 99.8%	LEVEL 0 5 min

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1239-45-8 Ethidium bromide 5%	LEVEL 6 480 min
64-17-5 Ethanol 99.8%	LEVEL 4 154 min
68-12-2 Dimethyl formamide 99%	LEVEL 0 9 min
109-89-7 Diethylamine 99.5%	LEVEL 0 3 min
68334-30-5 Diesel fuel	LEVEL 5 304 min
110-82-7 Cyclohexane	LEVEL 6 480 min
67-66-3 Chloroform 99.8%	LEVEL 0 4 min
56-23-5 Carbon tetrachloride	LEVEL 1 12 min
100-51-6 Benzyl alcohol	LEVEL 4 123 min
71-43-2 Benzene 99%	LEVEL 0 5 min
79-06-1 Acrylamide 40%	LEVEL 6 480 min
75-05-8 Acetonitrile 99.9%	LEVEL 1 20 min
107-06-2 1,2-Dichloroethane 99%	LEVEL 0 5 min

DISCLAIMER: The data provided was based on gloves tested under laboratory conditions, in accordance with EN 16523-1:2015 (formerly EN 374-3:2003) and EN 374-4:2013. The information is for guidance only and may not reflect the user's application. A risk assessment should always be made by purchaser to assess the suitability of gloves for a specific application.

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SHIELD Scientific compliance comfort protection		EU DECLARATION OF CONFORMITY	
Originator: J.F ROBLES	**Revision N°:** 012	**Revision date:** 13.11.2024	**Validity date:** 04/02/2025

Product	SHIELDskin CHEM™ NEO NITRILE™ 300
Description	Powder-free extra length ambidextrous non-Sterile 30 cm multi-polymer Gloves
Classification	Medical Device Class 1 / Personal Protective Equipment (PPE) Category III (Complex Design)

Product codes	Sizes
66 9251	6/XS
66 9252	7/S
66 9253	8/M
66 9254	9/L
66 9255	10/XL
66 9256	11/XXL
N/A	N/A
N/A	N/A
N/A	N/A

The manufacturer established in the Union:

SHIELD Scientific B.V.

(Dr Willem Dreeslaan 1 – 6721 ND BENNEKOM – THE NETHERLANDS)

declares under his/her sole responsibility that the PPE (product codes as mentioned above) described hereafter:

SHIELDskin CHEM™

NEO NITRILE™ 300

is in conformity with the provisions of the Medical Device Regulation (EU) 2017/745 and with the national standards transposing harmonized standards EN 455-1:2020+A1:2022, EN 455-2:2015, EN 455-3:2015 & EN 455-4:2009 . It is selfcertified as a Medical Device Class 1. Single Registration Number (SRN) NL-MF-000001691 and Basic UDI-DI 87196320766925XXY refer.

is in conformity with the provisions of Regulation (EU) 2016/425 and with the harmonized standards EN ISO 374-1:2016 + A1:2018 (as a Type A glove against reagents: A, J, K, L, P, N & T) EN ISO 374-5:2016 & EN 420:2003+A1:2009 as well as test method ISO 374-2:2019 (performance level 3), including protection against viruses (ISO 16604:2004), EN 16523-1:2015 + A1:2018 & EN ISO 374-4:2019. . This device is identical to the PPE, which is the subject of EU Type Examination (Module B) certificate of conformity no. FI19/962971 issued by the Notified Body:

SGS FIMKO OY (Notified Body No: 0598) Takomotie 8, FI-00380 Helsinki, Finland

This device is subject to the procedure set out in Annex VIII (ModuleC2) of the Regulation under the surveillance of the Notified Body:

SGS FIMKO OY (Notified Body No: 0598) Takomotie 8, FI-00380 Helsinki, Finland

J.F ROBLES
General Manager
Date: 13.11.2024
Place: Bennekom

